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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Christine L. Mummery **Examiner:** Unassigned  
**Serial No.:** 10/758,554 **Art Unit:** Unassigned  
**Filed:** January 14, 2004 **Docket:** 17360  
**For:** METHODS OF INDUCING **Dated:** January 28, 2005  
DIFFERENTIATION OF STEM CELLS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. Christine L. Mummery, et al. "Visceral-Endoderm-Like Cell Lines Induce Differentiation of Murine P19 Embryonal Carcinoma Cells", Differentiation, Vol. 46, pp. 51-60 (1991);
2. A.J.M. van den Eijnden-van Raaij, et al., "Differentiation of Aggregated Murine P19 Embryonal Carcinoma Cells is Induced by a Novel Visceral Endoderm-Specific FGF-Like Factor and Inhibited by Activin A", Mechanisms of Development, Vol. 33, pp. 157-166, (1991);

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**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Box 1450, Alexandria, VA 22313-1450.

Dated: January 28, 2005

  
Edward W. Grolz

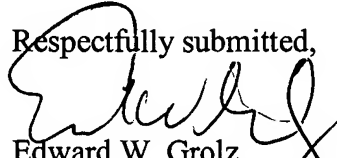
3. J. Rohwedel, et al., "Muscle Cell Differentiation of Embryonic Stem Cells Reflects Myogenesis *in Vivo*: Developmentally Regulated Expression of Myogenic Determination Genes and Functional Expression of Ionic Currents", Developmental Biology, Vol. 164, pp. 87-101, (1994);

4. Michael A. Dyer, et al., "Indian Hedgehog Activities Hematopoiesis and Vasculogenesis and Can Respecify Prospective Neurectodermal Cell Fate in the Mouse Embryo", Developmental, Vol. 128, pp. 1717-1730, (2001); and

5. International Publication No. WO 99/53021, published October 21, 1999.

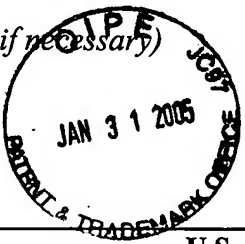
The references were cited in a Supplementary Partial European Search Report dated October 20, 2004 received from the European Patent Office. Applicant is submitting copies of the above-cited references, together with a copy of the Search Report. The relevance of the above-identified references has been described in the Search Report.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. § 1.97(b), no statement or fee is required.

Respectfully submitted,  
  
Edward W. Grolz  
Registration No. 33,705

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XZ:/ng/ab

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE (REV. 7-80) PATENT AND TRADEMARK OFFICE  <b>INFORMATION DISCLOSURE CITATION</b>  <i>(Use several sheets if necessary)</i>		<b>Atty. Docket No. (Optional)</b>  17360	<b>Application Number</b>  10/758,554					
		<b>Applicant(s)</b> Christine L. Mummery						
		<b>Filing Date</b> January 14, 2004	<b>Group Art Unit</b> Unassigned					
<b>U.S. PATENT DOCUMENTS</b>								
<b>EXAMINER INITIAL*</b>		<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>NAME</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>FILING DATE (if appropriate)</b>	
<b>FOREIGN PATENT DOCUMENTS</b>								
	<b>REF</b>	<b>DOCUMENT NUMBER</b>	<b>DATE</b>	<b>COUNTRY</b>	<b>CLASS</b>	<b>SUBCLASS</b>	<b>TRANSLATION</b>	
							<b>YES</b>	<b>NO</b>
		WO 99/53021	10/21/1999	PCT				
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
		Christine L. Mummery, et al. "Visceral-Endoderm-Like Cell Lines Induce Differentiation of Murine P19 Embryonal Carcinoma Cells", <u>Differentiation</u> , Vol. 46, pp. 51-60 (1991)						
		A.J.M. van den Eijnden-van Raaij, et al., "Differentiation of Aggregated Murine P19 Embryonal Carcinoma Cells is Induced by a Novel Visceral Endoderm-Specific FGF-Like Factor and Inhibited by Activin A", <u>Mechanisms of Development</u> , Vol. 33, pp. 157-166, (1991)						
		J. Rohwedel, et al., "Muscle Cell Differentiation of Embryonic Stem Cells Reflects Myogenesis <i>in Vivo</i> : Developmentally Regulated Expression of Myogenic Determination Genes and Functional Expression of Ionic Currents", <u>Developmental Biology</u> , Vol. 164, pp. 87-101, (1994)						
		Michael A. Dyer, et al., "Indian Hedgehog Activities Hematopoiesis and Vasculogenesis and Can Respecify Prospective Neurectodermal Cell Fate in the Mouse Embryo", <u>Developmental</u> , Vol. 128, pp. 1717-1730, (2001)						
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>				
* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT****(Under 37 CFR 1.97(b) or 1.97(e))**

Docket No.

17360

In Re Application Of: **Christine L. Mummery**

JAN 31 2005

Application No.

10/758,554

Filing Date

1/14/2004

Examiner

Unassigned

Customer No.

23389

Group Art Unit

Unassigned

Confirmation No.

Unassigned

Title: **METHODS OF INDUCING DIFFERENTIATION OF STEM CELLS**

Address to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

**37 CFR 1.97(b)**

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☐ the fee set forth in 37 CFR 1.17(p).

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) for 1.97(c))

Docket No.  
17360

In Re Application: Christine L. Mummery

JAN 31 2005

Application No. 10/758,554	Filing Date 1/14/2004	Examiner Unassigned	Customer No. 23389	Group Art Unit Unassigned	Confirmation No. Unassigned
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Title: **METHODS OF INDUCING DIFFERENTIATION OF STEM CELLS**

**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ The Director is hereby authorized to charge and credit Deposit Account No. 19-1013/SSMP as described below.
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(Date)

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Signature of Person Mailing Correspondence

Edward W. Grolz

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Typed or Printed Name of Person Mailing Certificate

Dated: January 28, 2005

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